

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101518,072A
Source: IFWD
Date Processed by STIC: 3/27/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/518,572 A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed 72 characters** in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not saved in ASCII(DOS) text**, as required by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/518,072A

DATE: 03/27/2007
TIME: 16:49:23

Input Set : A:\263365US0XPCT.txt
Output Set: N:\CRF4\03272007\J518072A.raw

3 <110> APPLICANT: Weill, Mylene
 4 Fort, Philippe
 5 Raymond, Michel
 6 Pasteur, Nicole
 8 <120> TITLE OF INVENTION: NOVEL ACETYLCHOLINESTERASE GENE RESPONSIBLE FOR
 9 INSECTICIDE RESISTANCE AND APPLICATIONS THEREOF
 11 <130> FILE REFERENCE: 263365US0XPCT
 13 <140> CURRENT APPLICATION NUMBER: 10/518,072A
 14 <141> CURRENT FILING DATE: 2004-12-16
 16 <150> PRIOR APPLICATION NUMBER: FR 02/07622
 17 <151> PRIOR FILING DATE: 2002-06-20
 19 <150> PRIOR APPLICATION NUMBER: FR 02/13799
 20 <151> PRIOR FILING DATE: 2002-11-05
 23 <160> NUMBER OF SEQ ID NOS: 129
 25 <170> SOFTWARE: PatentIn version 2.1
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 524
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Anopheles gambiae
 32 <400> SEQUENCE: 1
 33 Asp Pro Leu Val Val Asn Thr Asp Lys Gly Arg Ile Arg Gly Ile Thr
 34 1 5 10 15
 36 Val Asp Ala Pro Ser Gly Lys Lys Val Asp Val Trp Leu Gly Ile Pro
 37 20 25 30
 39 Tyr Ala Gln Pro Pro Val Gly Pro Leu Arg Phe Arg His Pro Arg Pro
 40 35 40 45
 42 Ala Glu Lys Trp Thr Gly Val Leu Asn Thr Thr Pro Pro Asn Ser
 43 50 55 60
 45 Cys Val Gln Ile Val Asp Thr Val Phe Gly Asp Phe Pro Gly Ala Thr
 46 65 70 75 80
 49 Met Trp Asn Pro Asn Thr Pro Leu Ser Glu Asp Cys Leu Tyr Ile Asn
 50 85 90 95
 52 Val Val Ala Pro Arg Pro Arg Pro Lys Asn Ala Ala Val Met Leu Trp
 53 100 105 110
 55 Ile Phe Gly Gly Phe Tyr Ser Gly Thr Ala Thr Leu Asp Val Tyr
 56 115 120 125
 58 Asp His Arg Ala Leu Ala Ser Glu Glu Asn Val Ile Val Val Ser Leu
 59 130 135 140
 61 Gln Tyr Arg Val Ala Ser Leu Gly Phe Leu Phe Leu Gly Thr Pro Glu
 62 145 150 155 160
 64 Ala Pro Gly Asn Ala Gly Leu Phe Asp Gln Asn Leu Ala Leu Arg Trp
 65 165 170 175
 67 Val Arg Asp Asn Ile His Arg Phe Gly Asp Pro Ser Arg Val Thr

DOCS Not Comply
Corrocted Diskette Needed
(pg. 6)

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/518,072A

DATE: 03/27/2007
 TIME: 16:49:23

Input Set : A:\263365US0XPCT.txt
 Output Set: N:\CRF4\03272007\J518072A.raw

68	180	185	190
70	Leu Phe Gly	Glu Ser Ala Gly	Ala Val Ser Val Ser
71	195	200	205
73	Ser Ala	Leu Ser Arg Asp	Leu Phe Gln Arg Ala
74	210	215	220
76	Ser Pro Thr Ala Pro	Trp Ala Leu Val Ser	Arg Glu Glu Ala Thr
77	225	230	235
79	240	Arg Ala	Leu Arg Leu Ala Glu Ala Val
80	245	250	255
82	255	Lys Leu Ser Asp Ala Val	Glu Cys Pro His Glu Pro
83	260	265	270
85	270	Leu Val Asn Asn Glu Trp	Gly Thr Leu Gly Ile Cys
86	275	280	285
88	285	Val Pro Val Val Asp Gly	Ala Phe Leu Asp Glu Thr
89	290	295	Pro Gln Arg Ser
91	295	300	
92	305	Leu Ala Ser Gly Arg	Phe Lys Lys Thr Glu Ile
93	310	Leu Thr Gly Ser Asn	Leu Thr Gly Ser Asn
94	315	320	
95	325	330	335
97	335	Arg Lys Glu Glu Gly Val	Thr Val Thr Arg Glu Glu
98	340	345	350
100	345	350	
101	355	360	365
103	365	Val Phe Glu Tyr Thr Asp	Trp Thr Glu Pro Asp
104	370	375	380
106	380	Arg Asp Ala Leu Asp	Lys Met Val Gly Asp
107	385	390	395
109	395	400	
110	405	410	415
112	415	Met Tyr Leu Tyr Thr His	Arg Ser Lys Gly Asn
113	420	425	430
115	430	435	
116	440	445	
118	445	Leu Asn Pro Thr Leu Gly	Tyr Thr Glu Asp Glu
119	450	455	460
121	460	465	
122	470	475	480
124	475	Pro Asn Thr Ala Ser	Ser Glu Phe Pro
125	485	490	495
127	495	His Gly Arg His Tyr	Leu Glu Leu Gly
128	500	505	510
130	510	Arg Gly Pro Arg Leu Arg	Gln Cys Ala Phe Trp
131	515	520	
135	520	<210> SEQ ID NO: 2	
136	520	<211> LENGTH: 1932	
137	520	<212> TYPE: DNA	
138	520	<213> ORGANISM: Anopheles	gambiae
140	520	<220> FEATURE:	
141	520	<221> NAME/KEY: CDS	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/518,072A

DATE: 03/27/2007

TIME: 16:49:23

Input Set : A:\263365US0XPCT.txt

Output Set: N:\CRF4\03272007\J518072A.raw

142 <222> LOCATION: (1)..(1932)
 144 <400> SEQUENCE: 2
 145 atg ttt gtg tgt tgt ttt ttc ttt ctc tct ctc tct ttc tgt ggt tcc 48
 146 Met Phe Val Cys Cys Phe Phe Phe Leu Ser Leu Ser Phe Cys Gly Ser
 147 1 5 10 15
 149 aac att tca gac gca ttt ttt aca cca tat ata ggt cac ggt gag tcc 96
 150 Asn Ile Ser Asp Ala Phe Phe Thr Pro Tyr Ile Gly His Gly Glu Ser
 151 20 25 30
 153 gta cga att ata gat gcc gag ttg ggc acg ctc gag cat gtc cac agt 144
 154 Val Arg Ile Ile Asp Ala Glu Leu Gly Thr Leu Glu His Val His Ser
 155 35 40 45
 157 gga gca acg ccg cgg cga cgc ggc ctg acg agg cgc gag tca aac tcg 192
 158 Gly Ala Thr Pro Arg Arg Arg Gly Leu Thr Arg Arg Glu Ser Asn Ser
 159 50 55 60
 161 gac gcg aac gac aac gat ccg ctg gtg gtc aac acg gat aag ggg cgc 240
 162 Asp Ala Asn Asp Asn Asp Pro Leu Val Val Asn Thr Asp Lys Gly Arg
 163 65 70 75 80
 165 atc cgc ggc att acg gtc gat gcg ccc acg ggc aag aag gtg gac gtg 288
 166 Ile Arg Gly Ile Thr Val Asp Ala Pro Ser Gly Lys Lys Val Asp Val
 167 85 90 95
 169 tgg ctc ggc att ccc tac gcc cag ccg gtc ggg ccg cta cgg ttc 336
 170 Trp Leu Gly Ile Pro Tyr Ala Gln Pro Pro Val Gly Pro Leu Arg Phe
 171 100 105 110
 173 cgt cat ccg cgg ccg gcc gaa aag tgg acc ggc gtg ctg aac acg acc 384
 174 Arg His Pro Arg Pro Ala Glu Lys Trp Thr Gly Val Leu Asn Thr Thr
 175 115 120 125
 177 aca ccg ccc aac agc tgc gtg cag atc gtg gac acc gtg ttc ggc gac 432
 178 Thr Pro Pro Asn Ser Cys Val Gln Ile Val Asp Thr Val Phe Gly Asp
 179 130 135 140
 181 ttc ccg ggc gcg acc atg tgg aac ccg aac acg ccc ctg tcc gag gac 480
 182 Phe Pro Gly Ala Thr Met Trp Asn Pro Asn Thr Pro Leu Ser Glu Asp
 183 145 150 155 160
 185 tgt ctg tac att aac gtg gtg gca ccg cga ccc cgg ccc aag aat gcg 528
 186 Cys Leu Tyr Ile Asn Val Val Ala Pro Arg Pro Arg Pro Lys Asn Ala
 187 165 170 175
 189 gcc gtc atg ctg tgg atc ttc ggc ggc ttc tac tcc ggc acc gcc 576
 190 Ala Val Met Leu Trp Ile Phe Gly Gly Phe Tyr Ser Gly Thr Ala
 191 180 185 190
 193 acc ctg gac gtg tac gac cac ccg gcg ctt gcg tcg gag gag aac gtg 624
 194 Thr Leu Asp Val Tyr Asp His Arg Ala Leu Ala Ser Glu Glu Asn Val
 195 195 200 205
 197 atc gtg gtg tcg ctg cag tac cgc gtg gcc agt ctg ggc ttc ctg ttt 672
 198 Ile Val Val Ser Leu Gln Tyr Arg Val Ala Ser Leu Gly Phe Leu Phe
 199 210 215 220
 201 ctc ggc acc ccg gaa gcg ccg ggc aat gcg gga ctg ttc gat cag aac 720
 202 Leu Gly Thr Pro Glu Ala Pro Gly Asn Ala Gly Leu Phe Asp Gln Asn
 203 225 230 235 240
 205 ctt gcg cta cgc tgg gtg ccg gac aac att cac ccg ttc ggt ggc gat 768
 206 Leu Ala Leu Arg Trp Val Arg Asp Asn Ile His Arg Phe Gly Gly Asp

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DATE: 03/27/2007
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Input Set : A:\263365US0XPCT.txt
Output Set: N:\CRF4\03272007\J518072A.raw

207	245	250	255	
209	ccg tcg cgt gtg aca ctg ttc ggc gag agt gcc ggt gcc gtc tcg gtg			816
210	Pro Ser Arg Val Thr Leu Phe Gly Glu Ser Ala Gly Ala Val Ser Val			
211	260	265	270	
213	tcg ctg cat ctg ctg tcc gcc ctt tcc cgc gat ctg ttc cag cgg gcc			864
215	Ser Leu His Leu Leu Ser Ala Leu Ser Arg Asp Leu Phe Gln Arg Ala			
216	275	280	285	
218	atc ctg cag agc ggc tcg ccg acg gca ccg tgg gca ttg gta tcg cgc			912
219	Ile Leu Gln Ser Gly Ser Pro Thr Ala Pro Trp Ala Leu Val Ser Arg			
220	290	295	300	
222	gag gaa gcc aca cta aga gca ctg cgg ttg gcc gag gcg gtc ggc tgc			960
223	Glu Glu Ala Thr Leu Arg Ala Leu Arg Leu Ala Glu Ala Val Gly Cys			
224	305	310	315	320
226	ccg cac gaa ccg agc aag ctg agc gat gcg gtc gag tgc ctg cgc ggc			1008
227	Pro His Glu Pro Ser Lys Leu Ser Asp Ala Val Glu Cys Leu Arg Gly			
228	325	330	335	
230	aag gac ccg cac gtg ctg gtc aac aac gag tgg ggc acg ctc ggc att			1056
231	Lys Asp Pro His Val Leu Val Asn Asn Glu Trp Gly Thr Leu Gly Ile			
232	340	345	350	
234	tgc gag ttc ccg ttc gtg ccg gtg gtc gac ggt gcg ttc ctg gac gag			1104
235	Cys Glu Phe Pro Phe Val Pro Val Val Asp Gly Ala Phe Leu Asp Glu			
236	355	360	365	
238	acg ccg cag cgt tcg ctc gcc agc ggg cgc ttc aag aag acg gag atc			1152
239	Thr Pro Gln Arg Ser Leu Ala Ser Gly Arg Phe Lys Lys Thr Glu Ile			
240	370	375	380	
242	ctc acc ggc agc aac acg gag gag ggc tac tac ttc atc atc tac tac			1200
243	Leu Thr Gly Ser Asn Thr Glu Gly Tyr Tyr Phe Ile Ile Tyr Tyr			
244	385	390	395	400
246	ctg acc gag ctg ctg cgc aag gag gag ggc gtg acc gtg acg cgc gag			1248
247	Leu Thr Glu Leu Leu Arg Lys Glu Glu Gly Val Thr Val Thr Arg Glu			
248	405	410	415	
250	gag ttc ctg cag gcg gtg cgc gag ctc aac ccg tac gtg aac ggg gcg			1296
251	Glu Phe Leu Gln Ala Val Arg Glu Leu Asn Pro Tyr Val Asn Gly Ala			
252	420	425	430	
254	gcc cgg cag gcg atc gtg ttc gag tac acc gac tgg acc gag ccg gac			1344
255	Ala Arg Gln Ala Ile Val Phe Glu Tyr Thr Asp Trp Thr Glu Pro Asp			
256	435	440	445	
258	aac ccg aac agc aac ccg gac gcg ctg gac aag atg gtg ggc gac tat			1392
259	Asn Pro Asn Ser Asn Arg Asp Ala Leu Asp Lys Met Val Gly Asp Tyr			
260	450	455	460	
262	cac ttc acc tgc aac gtg aac gag ttc gcg cag cgg tac gcc gag gag			1440
263	His Phe Thr Cys Asn Val Asn Glu Phe Ala Gln Arg Tyr Ala Glu Glu			
264	465	470	475	480
266	ggc aac aac gtc tac atg tat ctg tac acg cac cgc agc aaa ggc aac			1488
267	Gly Asn Asn Val Tyr Met Tyr Leu Tyr Thr His Arg Ser Lys Gly Asn			
268	485	490	495	
270	ccg tgg ccg cgc tgg acg ggc gtg atg cac ggc gac gag atc aac tac			1536
271	Pro Trp Pro Arg Trp Thr Gly Val Met His Gly Asp Glu Ile Asn Tyr			
272	500	505	510	

RAW SEQUENCE LISTING
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Input Set : A:\263365US0XPCT.txt
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274	gtg	tac	acc	gag	gac	gag	1584										
275	Val	Phe	Gly	Glu	Pro	Leu	Asn	Pro	Thr	Leu	Gly	Tyr	Thr	Glu	Asp	Glu	
276	515				520			525									
278	aaa	gac	ttt	agc	cgg	aag	atc	atg	cga	tac	tgg	tcc	aac	ttt	gcc	aaa	1632
279	Lys	Asp	Phe	Ser	Arg	Lys	Ile	Met	Arg	Tyr	Trp	Ser	Asn	Phe	Ala	Lys	
280	530				535			540									
282	acc	ggg	aat	cca	aat	ccc	aac	acg	gcc	agc	agc	gaa	ttc	ccc	gag	tgg	1680
283	Thr	Gly	Asn	Pro	Asn	Pro	Asn	Pro	Asn	Thr	Ala	Ser	Ser	Glu	Phe	Pro	Glu
284	545				550			555			560						
286	ccc	aag	cac	acc	gcc	cac	gga	cgg	cac	tat	ctg	gag	ctg	ggc	ctc	aac	1728
287	Pro	Lys	His	Thr	Ala	His	Gly	Arg	His	Tyr	Leu	Glu	Leu	Gly	Leu	Asn	
288	565				570			575									
291	acg	tcc	ttc	gtc	ggg	ccg	ccg	ttg	agg	cag	tgt	gcc	ttc	tgg		1776	
292	Thr	Ser	Phe	Val	Gly	Arg	Gly	Pro	Arg	Leu	Arg	Gln	Cys	Ala	Phe	Trp	
293	580				585			590									
295	aag	aag	taa	ttt	ccc	cag	cta	gtt	gca	gct	acc	tcg	aac	cta	cca	ggg	1824
296	Lys	Lys	Tyr	Leu	Pro	Gln	Leu	Val	Ala	Ala	Thr	Ser	Asn	Leu	Pro	Gly	
297	595				600			605									
299	cca	gca	ccg	cct	agt	gaa	ccg	tgc	gaa	agc	agc	gca	ttt	ttt	tac	cga	1872
300	Pro	Ala	Pro	Pro	Ser	Glu	Pro	Cys	Glu	Ser	Ser	Ala	Phe	Phe	Tyr	Arg	
301	610				615			620									
303	cct	gat	ctg	atc	gtg	ctg	ctg	gtg	tcg	ctg	ctt	acg	gcg	acc	gtc	aga	1920
304	Pro	Asp	Leu	Ile	Val	Leu	Leu	Val	Ser	Leu	Leu	Thr	Ala	Thr	Val	Arg	
305	625				630			635			640						
307	ttc	ata	caa	taa												1932	
308	Phe	Ile	Gln														
311	<210>	SEQ	ID	NO:	3												
312	<211>	LENGTH:	643														
313	<212>	TYPE:	PRT														
314	<213>	ORGANISM:	Anopheles	gambiae													
316	<400>	SEQUENCE:	3														
317	Met	Phe	Val	Cys	Cys	Phe	Phe	Phe	Leu	Ser	Leu	Ser	Phe	Cys	Gly	Ser	
318	1				5				10					15			
320	Asn	Ile	Ser	Asp	Ala	Phe	Phe	Thr	Pro	Tyr	Ile	Gly	His	Gly	Glu	Ser	
321		20				25			30								
323	Val	Arg	Ile	Ile	Asp	Ala	Glu	Leu	Gly	Thr	Leu	Glu	His	Val	His	Ser	
324		35				40			45								
326	Gly	Ala	Thr	Pro	Arg	Arg	Arg	Gly	Leu	Thr	Arg	Arg	Glu	Ser	Asn	Ser	
327		50				55			60								
329	Asp	Ala	Asn	Asp	Asn	Pro	Leu	Val	Val	Asn	Thr	Asp	Lys	Gly	Arg		
330		65				70			75				80				
332	Ile	Arg	Gly	Ile	Thr	Val	Asp	Ala	Pro	Ser	Gly	Lys	Lys	Val	Asp	Val	
333			85						90			95					
335	Trp	Leu	Gly	Ile	Pro	Tyr	Ala	Gln	Pro	Pro	Val	Gly	Pro	Leu	Arg	Phe	
336		100				105			110								
338	Arg	His	Pro	Arg	Pro	Ala	Glu	Lys	Trp	Thr	Gly	Val	Leu	Asn	Thr	Thr	
339		115				120			125								
341	Thr	Pro	Pro	Asn	Ser	Cys	Val	Gln	Ile	Val	Asp	Thr	Val	Phe	Gly	Asp	
342		130				135			140								

101S18,072A

Page 6

<210> SEQ ID NO 128
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial
<220> FEATURE:
<221> NAME/KEY: MISC_FEATURE
<222> LOCATION: (6)..(6)
<223> OTHER INFORMATION: n=a,c,g, or t
<400> SEQUENCE: 128
ccggngcsa cyatgtggaa

PLS explain Source of
genetic material.

20

↑ See item # 11 on error
summary sheet.

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/27/2007
PATENT APPLICATION: US/10/518,072A TIME: 16:49:24

Input Set : A:\263365US0XPCT.txt
Output Set: N:\CRF4\03272007\J518072A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:128; N Pos. 6

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#: 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 54, 55, 58, 59, 123, 124, 128, 129

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/518,072A

DATE: 03/27/2007

TIME: 16:49:24

Input Set : A:\263365US0XPCT.txt

Output Set: N:\CRF4\03272007\J518072A.raw

L:6024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:0